

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/14009

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ C12N5/02, C12N5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C12N5/02, C12N5/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
BIOSIS/WPI (DIALOG), MEDLINE (STN), JSTPlus/JST7580 (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X/A	PESCE, M. et al., Pituitary adenylate cyclase-activating polypeptide (PACAP) stimulates adenylate cyclase and promotes proliferation of mouse primordial germ cells, Development, 1996, Vol.122, No.1, pages 215 to 221	1-3, 5-17, 19-29/4
X/A	DE FELICI, M. et al., Regulation of primordial germ cell development in the mouse, Int.J.Dev. Biol., 2000, Vol.44, pages 575 to 580	1-3, 5-17, 19-29/4
X/A	WO 90/01541 A (AMARAD CORP. LTD.), 22 February, 1990 (22.02.90), & AU 8940590 A & EP 380646 A & DK 9100170 A & NO 9100385 A & JP 3-503241 A & US 5166065 A	27/1-17, 19-26, 28-29

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
26 November, 2003 (26.11.03)

Date of mailing of the international search report
09 December, 2003 (09.12.03)

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Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LIPSKAIA, L. et al., Adenylyl cyclase activity and gene expression during mesodermal differentiation of the P19 embryonal carcinoma cells, J.Cell.Physiol., 1998, Vol.176, No.1, pages 50 to 56	1-17,19-29
A	DENG, W. et al., In vitro differentiation of human marrow stromal cells into early progenitors of neural cells by conditions that increase intracellular cyclic AMP, Biochem.Biophys.Res. Commun., 2001, Vol.282, No.1, pages 148 to 152	1-17,19-29
A	CHEN, T.C. et al., Up-regulation of the cAMP/PKA pathway inhibits proliferation, induces differentiation, and leads to apoptosis in malignant gliomas, Lab.Invest., 1998, Vol.78, No.2, pages 165 to 174	1-17,19-29
A	MARCHAL, S. et al., Stimulation of avian myoblast differentiation by triiodothyronine: possible involvement of the cAMP pathway, Exp.Cell.Res., 1995, Vol.220, No.1, pages 1 to 10	1-17,19-29